

Sequence Listing

<110> Goddard,Audrey  
Godowski,Paul J.  
Gurney,Austin L.  
Hillan,Kenneth J.  
Polakis,Paul  
Smith,Victoria  
Wood,William I.  
Wu,Thomas D.  
Zhang,Zemin

<120> COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND  
TREATMENT OF TUMOR

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 Lys Gly Lys Gly Asn Ala Asn Leu Glu Tyr Lys Thr Gly Ala Phe  
 140 145 150  
 Ser Met Pro Glu Val Asn Val Asp Tyr Asn Ala Ser Ser Glu Thr  
 155 160 165  
 Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln Pro Thr Val Val  
 170 175 180  
 Trp Ala Ser Gln Val Asp Gln Gly Ala Asn Phe Ser Glu Val Ser  
 185 190 195  
 Asn Thr Ser Phe Glu Leu Asn Ser Glu Asn Val Thr Met Lys Val  
 200 205 210  
 Val Ser Val Leu Tyr Asn Val Thr Ile Asn Asn Thr Tyr Ser Cys  
 215 220 225  
 Met Ile Glu Asn Asp Ile Ala Lys Ala Thr Gly Asp Ile Lys Val  
 230 235 240  
 Thr Glu Ser Glu Ile Lys Arg Arg Ser His Leu Gln Leu Leu Asn  
 245 250 255  
 Ser Lys Ala Ser Leu Cys Val Ser Ser Phe Phe Ala Ile Ser Trp  
 260 265 270  
 Ala Leu Leu Pro Leu Ser Pro Tyr Leu Met Leu Lys  
 275 280

<210> 9  
 <211> 374  
 <212> PRT  
 <213> Homo Sapien

<400> 9  
 Met Val Leu Trp Glu Ser Pro Arg Gln Cys Ser Ser Trp Thr Leu  
 1 5 10 15  
 Cys Glu Gly Phe Cys Trp Leu Leu Leu Pro Val Met Leu Leu  
 20 25 30  
 Ile Val Ala Arg Pro Val Lys Leu Ala Ala Phe Pro Thr Ser Leu  
 35 40 45  
 Ser Asp Cys Gln Thr Pro Thr Gly Trp Asn Cys Ser Gly Tyr Asp  
 50 55 60  
 Asp Arg Glu Asn Asp Leu Phe Leu Cys Asp Thr Asn Thr Cys Lys  
 65 70 75  
 Phe Asp Gly Glu Cys Leu Arg Ile Gly Asp Thr Val Thr Cys Val  
 80 85 90

Cys Gln Phe Lys Cys Asn Asn Asp Tyr Val Pro Val Cys Gly Ser  
                   95                     100                 105  
 Asn Gly Glu Ser Tyr Gln Asn Glu Cys Tyr Leu Arg Gln Ala Ala  
                   110                 115                 120  
 Cys Lys Gln Gln Ser Glu Ile Leu Val Val Ser Glu Gly Ser Cys  
                   125                 130                 135  
 Ala Thr Asp Ala Gly Ser Gly Ser Gly Asp Gly Val His Glu Gly  
                   140                 145                 150  
 Ser Gly Glu Thr Ser Gln Lys Glu Thr Ser Thr Cys Asp Ile Cys  
                   155                 160                 165  
 Gln Phe Gly Ala Glu Cys Asp Glu Asp Ala Glu Asp Val Trp Cys  
                   170                 175                 180  
 Val Cys Asn Ile Asp Cys Ser Gln Thr Asn Phe Asn Pro Leu Cys  
                   185                 190                 195  
 Ala Ser Asp Gly Lys Ser Tyr Asp Asn Ala Cys Gln Ile Lys Glu  
                   200                 205                 210  
 Ala Ser Cys Gln Lys Gln Glu Lys Ile Glu Val Met Ser Leu Gly  
                   215                 220                 225  
 Arg Cys Gln Asp Asn Thr Thr Thr Thr Lys Ser Glu Asp Gly  
                   230                 235                 240  
 His Tyr Ala Arg Thr Asp Tyr Ala Glu Asn Ala Asn Lys Leu Glu  
                   245                 250                 255  
 Glu Ser Ala Arg Glu His His Ile Pro Cys Pro Glu His Tyr Asn  
                   260                 265                 270  
 Gly Phe Cys Met His Gly Lys Cys Glu His Ser Ile Asn Met Gln  
                   275                 280                 285  
 Glu Pro Ser Cys Arg Cys Asp Ala Gly Tyr Thr Gly Gln His Cys  
                   290                 295                 300  
 Glu Lys Lys Asp Tyr Ser Val Leu Tyr Val Val Pro Gly Pro Val  
                   305                 310                 315  
 Arg Phe Gln Tyr Val Leu Ile Ala Ala Val Ile Gly Thr Ile Gln  
                   320                 325                 330  
 Ile Ala Val Ile Cys Val Val Val Leu Cys Ile Thr Arg Lys Cys  
                   335                 340                 345  
 Pro Arg Ser Asn Arg Ile His Arg Gln Lys Gln Asn Thr Gly His  
                   350                 355                 360  
 Tyr Ser Ser Asp Asn Thr Thr Arg Ala Ser Thr Arg Leu Ile  
                   365                 370

<210> 10

<211> 454

<212> PRT

<213> Homo Sapien

<400> 10

Met Glu Ser Ile Ser Met Met Gly Ser Pro Lys Ser Leu Ser Glu

| 1                                   | 5                       | 10                  | 15  |
|-------------------------------------|-------------------------|---------------------|-----|
| Thr Cys Leu Pro Asn Gly Ile Asn Gly |                         | Ile Lys Asp Ala Arg | Lys |
| 20                                  |                         | 25                  | 30  |
| Val Thr Val Gly Val Ile Gly Ser Gly | Asp Phe Ala Lys Ser     | Leu                 |     |
| 35                                  | 40                      |                     | 45  |
| Thr Ile Arg Leu Ile Arg Cys Gly Tyr | His Val Val Ile Gly Ser |                     |     |
| 50                                  | 55                      |                     | 60  |
| Arg Asn Pro Lys Phe Ala Ser Glu Phe | Phe Pro His Val Val Asp |                     |     |
| 65                                  | 70                      |                     | 75  |
| Val Thr His His Glu Asp Ala Leu Thr | Lys Thr Asn Ile Ile Phe |                     |     |
| 80                                  | 85                      |                     | 90  |
| Val Ala Ile His Arg Glu His Tyr Thr | Ser Leu Trp Asp Leu Arg |                     |     |
| 95                                  | 100                     |                     | 105 |
| His Leu Leu Val Gly Lys Ile Leu Ile | Asp Val Ser Asn Asn Met |                     |     |
| 110                                 | 115                     |                     | 120 |
| Arg Ile Asn Gln Tyr Pro Glu Ser Asn | Ala Glu Tyr Leu Ala Ser |                     |     |
| 125                                 | 130                     |                     | 135 |
| Leu Phe Pro Asp Ser Leu Ile Val Lys | Gly Phe Asn Val Val Ser |                     |     |
| 140                                 | 145                     |                     | 150 |
| Ala Trp Ala Leu Gln Leu Gly Pro Lys | Asp Ala Ser Arg Gln Val |                     |     |
| 155                                 | 160                     |                     | 165 |
| Tyr Ile Cys Ser Asn Asn Ile Gln Ala | Arg Gln Gln Val Ile Glu |                     |     |
| 170                                 | 175                     |                     | 180 |
| Leu Ala Arg Gln Leu Asn Phe Ile Pro | Ile Asp Leu Gly Ser Leu |                     |     |
| 185                                 | 190                     |                     | 195 |
| Ser Ser Ala Arg Glu Ile Glu Asn Leu | Pro Leu Arg Leu Phe Thr |                     |     |
| 200                                 | 205                     |                     | 210 |
| Leu Trp Arg Gly Pro Val Val Val Ala | Ile Ser Leu Ala Thr Phe |                     |     |
| 215                                 | 220                     |                     | 225 |
| Phe Phe Leu Tyr Ser Phe Val Arg Asp | Val Ile His Pro Tyr Ala |                     |     |
| 230                                 | 235                     |                     | 240 |
| Arg Asn Gln Gln Ser Asp Phe Tyr Lys | Ile Pro Ile Glu Ile Val |                     |     |
| 245                                 | 250                     |                     | 255 |
| Asn Lys Thr Leu Pro Ile Val Ala Ile | Thr Leu Leu Ser Leu Val |                     |     |
| 260                                 | 265                     |                     | 270 |
| Tyr Leu Ala Gly Leu Leu Ala Ala Ala | Tyr Gln Leu Tyr Tyr Gly |                     |     |
| 275                                 | 280                     |                     | 285 |
| Thr Lys Tyr Arg Arg Phe Pro Pro Trp | Leu Glu Thr Trp Leu Gln |                     |     |
| 290                                 | 295                     |                     | 300 |
| Cys Arg Lys Gln Leu Gly Leu Leu Ser | Phe Phe Phe Ala Met Val |                     |     |
| 305                                 | 310                     |                     | 315 |
| His Val Ala Tyr Ser Leu Cys Leu Pro | Met Arg Arg Ser Glu Arg |                     |     |
| 320                                 | 325                     |                     | 330 |

Tyr Leu Phe Leu Asn Met Ala Tyr Gln Gln Val His Ala Asn Ile  
335 340 345

Glu Asn Ser Trp Asn Glu Glu Glu Val Trp Arg Ile Glu Met Tyr  
350 355 360

Ile Ser Phe Gly Ile Met Ser Leu Gly Leu Leu Ser Leu Leu Ala  
365 370 375

Val Thr Ser Ile Pro Ser Val Ser Asn Ala Leu Asn Trp Arg Glu  
380 385 390

Phe Ser Phe Ile Gln Ser Thr Leu Gly Tyr Val Ala Leu Leu Ile  
395 400 405

Ser Thr Phe His Val Leu Ile Tyr Gly Trp Lys Arg Ala Phe Glu  
410 415 420

Glu Glu Tyr Tyr Arg Phe Tyr Thr Pro Pro Asn Phe Val Leu Ala  
425 430 435

Leu Val Leu Pro Ser Ile Val Ile Leu Asp Leu Leu Gln Leu Cys  
440 445 450

Arg Tyr Pro Asp